



Custom Switch Panels

Custom made marine products
Inspiration & product guide

www.customswitchpanels.com





FIORD 

Custom Switch Panels designs and manufactures waterproof custom switch and dashboard panels for marine and mobile applications, including boats, yachts, professional vessels, and commercial boaters. This guide presents recent projects, typical configurations, and the production approach used to deliver panels for both OEM builders and refit projects.

What we do?

Custom Switch Panels produces fully custom made 12V/24V DC control and distribution panels build to match the electrical requirements, layout, and interior design of each vessel or vehicle. Panels are designed in close coordination with the client and can be supplied pre-wired, labeled, and ready for installation to minimize integration time and wiring errors.

Each project follows a structured process covering design, component selection, manufacturing, assembly, and functional testing. Technical support is provided throughout the lifecycle of the panel, including documentation, maintenance support, troubleshooting, and upgrade options where required.

Who this is for?

Our panels are custom build for:

- OEM boat builders seeking repeatable, installation-ready electrical panels
- Refit yards upgrading dashboards or electrical distribution systems
- Professional and utility vessel operators requiring durable marine control panels
- Commercial boaters looking for a upgrade on their dashboard



Building boats efficiently

Since we were founded in 2020, we have spent a tremendous amount of time researching the best materials, components and technicalities for the marine application of our products.

All this effort has resulted in us become the switch- and/or dash panel supplier for many OEM shipyards and boat builders all across Europe and Scandinavia.

Designing a switch panel that stands out and is intuitive, is an art where many factors are at play. Since the switch panel is the beating heart of the electrical installation, it has to be easy to use, durable and easy to install & maintain. You need experienced panel-engineers who know what to- and not to do when it comes to designing, manufacturing and pre-wiring a switch panel.

By producing your products in series, we can produce efficient and cost-effective products. **In the meantime, you- or your mechanics can focus on building and installing other parts of the boat.**

*Custom Switch Panels is the panel supplier for **Rafnar Hellas** in Greece. We supply the **IP67** switch panels for their new range of FireFighting vessels, their Navy vessels and the Rafnar 28!*

This is where our switch- and dash panels prove themselves when it comes to durability.



Craftmanship

We might make it look easy, but when it comes to building switch- and dash panels that are being mounted in a luxury yacht like a Vanquish VQ80, every aspect of the panel has to be perfect. Every step of our process is aimed at getting you the nicest panel with the premium finish that your boats deserve.

- 1) Designing the 2D and 3D CAD drawings is done in close contact with you.
- 2) Advising on the best combination of materials for your application
- 3) Engraving and cutting is done on our CNC lasers.
- 4) The edges are beveled, sanded twice, polished and finished by hand
- 5) Components are selected and installed by hand
- 6) The wiring is cut up to length and installed by the electrical professionals with CE and NEN certified components
- 7) Tested by connecting the panel to a testbench, before packing it and shipping it to your location!





Appearance

There are many different types of standard switch panels and switches available.

But let's be honest, none of them really stand out or add any real value to the interior of your boats. We call them: *"one size fits none"*. And when it comes to personal taste and appearance, they are not even an option worth considering.

If you had the possibility, you would probably mount it somewhere out of sight.

So, you need a custom made switch- or dash panel. But reinventing the wheel yourself costs you or your team a lot of valuable time.

That's why we created the opportunity for you to work together with a dedicated panel builder, so you can focus on building your boats efficiently and spend your time productively.

With our approach, we make sure that your switch panel will be perfectly integrated with your boats interior, dashboard, console and cabin.

Together with you we will create a completely unique design that fits your personal style. With additional upgrades as backlight, custom logo's (selected by you) or other custom engravings we make sure that your new switch panel or dashboard will stand out!



Safety

Safety is the most important thing when you are out on the water.

Wiring a switch panel takes time. Cleanly wiring a switch panel takes even more time. Time your mechanics could otherwise spend productively by focusing on other parts of the boat.

The switch panel on your console is the core of the electronics on your boat. To keep everything working smoothly, we have selected the best and most durable selection of IP67 waterproof buttons, switches, fuses and accessories for you that will last for decades.

Our electronic department will carefully setup your wiring plan and together with you discuss the most convenient set up for your boats. We make sure that the wiring that you receive with your panels is clean and expertly organized, in combination with marine-grade cable which has all the relevant CE & NEN certificates.

Once your panels are assembled, we conduct thorough functionality checks to confirm that your new switch- or dash panel is functioning as it should, giving you peace of mind that your electronics are in top shape.

With this approach, you can rest easy knowing that your boats electrical system is not only well-organized, but also build to last by professionals.

We are proud to deliver custom made switch panels for our national coastguard in the Netherlands. The panels are installed in a series of new RHIB's that will be used at sea and keep our seas safe!





Our panels are mounted in the entire fleet of Nitra Boats (21', 29', 30') from Sweden, which are made for offshore powerboat racing and reaching well above 120 mph (190km/h).

Durability

Our switch panels are build to withstand the toughest situations.

Build with high quality materials and rigorous testing, it ensures durability and reliability in extreme environments on the water.

Some of the panels we produce are installed in offshore applications. That means that they will encounter heavy seas and salt water. Our materials are build to withstand those situations.

Now your boat might not be used in such harsh situations.

Still, we use the most durable parts for your panel. Even if you use your boat only on fresh water lakes, it is still our goal to make your panel as durable as possible, so you can enjoy it for years without thinking about it.

Depending on your needs, we will select specific parts for you. Whether impact or water-resistant related.





VAN DER HEIJDEN
YACHTS

Sailing vessels

Over the last couple of years, we have seen an ever growing demand of high quality and unique 12V-24V DC distribution panels for sailing vessels.

This goes for the well known sailing boat manufacturers, as well as for individuals that enjoy owning a sailing vessel.

Especially with the older sailing vessels (>10 years and older) it becomes more evident to sailing enthusiasts that by upgrading their switch panel, the overall look of their interior gets a massive boost. In fact, the switch panel is one of the easiest parts to replace and add a luxury look to the interior.

When you want to really add something unique to your DC distribution panel, you can choose premium options like a 45 degree beveled edge, a custom engraving of your boat, or backlight + dimmer! This way we will make sure your new switch panel stands out and will be noticed by everyone on board!

Of course we make it possible upon request to turn off all the lights at night, without breaking your connections to the electronics, like your fridge or anchor light.



This switch panel was made for a DIY boat enthusiast which is completely rebuilding his boat. With all the new electronics installed, a custom made distribution panel made much sense!

In combination with the wooden interior, this matte black panel created a truly unique interior

A Dutch boat builder well known for building efficient, beautiful, and durable boats is Maxima Boats from the Netherlands.

We produce the dashboard for their models:

Maxima 640

Maxima 740

Maxima 840

Maxima 700

Maxima 800

Also, a switch panel was produced for the dashboard of Maxima's brand new 35' tender, powered by twin 250hp Honda outboard.

This boat is fully made out of aluminum and truly deserves a custom made switch panel!

This boat can be found cruising at the beautiful river "de Merwede" near our hometown!





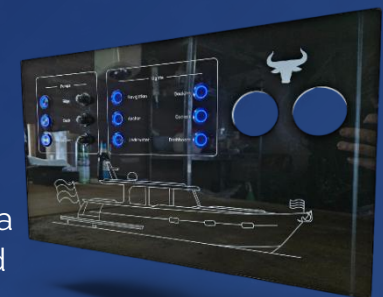
Dashboard refits

The dash panel of your boats is probably the most looked-at part in your boat. Not only by you, but also your guests. When someone walks past the dashboard, they will definitely look up! A custom made dashboard radiates a feeling of quality and craftsmanship across everyone on board.

When your boats or yachts dashboard has gotten older, you will definitely be considering upgrading it. Custom Switch Panels is your partner when it comes to refitting and upgrading your dash panel. Together with you we will set up a completely new design for your dash, to make sure that all your instruments will still fit and add all the upgrades that you can imagine.

You don't need a stand-alone switch panel.

When you are completely redesigning your dashboard, the best option is to integrate all the switches into your dash panel. This way we can create a dashboard that is fully adapted to your interior!



Initial contact

Through the first phone call you will get to know your personal engineer a little bit better and we will discuss your basic needs and your wishes for your new switch panel. You will receive simple questions like: *'what are the dimensions,? How many buttons? Do you want a logo engraved?'*

Designing

With this information we will be able to setup your first digital CAD design. We always start with a blank piece of paper from which your design will be built up step by step. Perhaps you already know exactly what kind of layout and parts you want. If not, we will guide you through all the options and create multiple possible layouts for you.

This first design will be sent to you for inspection. At this point you can tell us if you want changes in the design, which we will process in the digital design. Your design goes back and forth as long as needed to make it exactly like you want.

Manufacturing

After approval of the design, our CNC machines start engraving and cutting out your panel, which then is beveled (optional), sanded, and polished. All by the hands of a craftsman. This is a time-consuming step, but doing this by hand ensures you of the highest quality finish that you will not find anywhere else!

Assembly

Your selected materials are installed into the panel where everything is torqued down to spec. After this step, the premium options you have selected, like the wiring, background lights, dimmers and fuse boxes are carefully connected on the rear of the panel.

Testing

We finish the process by connecting your new switch- or dash panel to our testbench, where the panel will be completely tested for functionality. After the test is succeeded we pack your panel and ship it to you, no matter where you are located.





Designed to reduce installation time

As an OEM boat builder, you want the best results and accelerate boat production, not slow it down. Our panels are engineered to minimize installation hours and reduce wiring errors at the shipyard.

From design to production, we deliver consistent, durable, and precise results that meet the unique needs of your brand and vessels.

Panels can be supplied with:

- Labeled cable harness
- Pre-installed fuse and circuit breakers
- Grouped routing for fast installation

Installation advantages

- Reduced electrical labor time
- Minimize wiring errors
- Clean and repeatable electrical layouts
- Marine Grade, CE, NEN & IEC approved cabling

Long term serviceability:

- Clear labeling for all circuits
- Accessible fuse replacement
- Removable connectors where required
- Documentation supplied for technicians

And remember, the dashboard of your boats is subconsciously one of the first items that your client will see. So it better be in tip-top shape!



HORN



NAV
LIGHTS

ANCHOR
LIGHTS



WINDLASS
UP

WINDLASS
DOWN



WIPER



COCKPIT
LIGHTS



RAW
WATER



Time to upgrade

Want to know more about our products and curious about how we can help your boat's interiors make a difference compared with competitors? Our fully custom switch and dash panels are designed, hand-finished, and tested to deliver unmatched quality, functionality, and style—giving your boat a unique, premium interior that stands out on every level.

Need more information or help with your projects? Do not hesitate to contact us with your questions. We are happy to assist you!

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Custom Build in the Netherlands

Free sample

Send us your own design, or ask us to create a basic design and receive a sample panel for free, so you can inspect the quality and craftsmanship of our panels before you invest your time and resources!

Suitable for:

- Luxury Yachts
- Professional and utility vessels
- Defense applications
- Leisure and commercial boating



